

N7 series

Synthetic 307 or 40N7 DNA template: SEQ ID NO:1 (N = 30) and
SEQ ID NO:15 (N = 40)

5'-TAATACGACTCACTATAGGGAUGACGAUGCGG-[N]_{30,40}-CAGACGACUCGCCCCGA-3'

Starting random 30N7 or 40N7 RNA: SEQ ID NO:2 (N = 30) and
SEQ ID NO:308 (N = 40)

5'-GGGAGGACGAUGCGG-[N]_{30,40}-CAGACGACUCGCCCCGA-3'

N7 primers

5p7: 5'-TAATACGACTCACTATAGGGAUGACGAUGCGG-3' SEQ ID NO:3

3p7: 5'-TCGGGCGAGTCGTCTG-3' SEQ ID NO:4

N8 series

Synthetic 30N8 or 40N8 DNA template:

5'-TAATACGACTCACTATAGGGAGACAAGAATAAACGCTCAA-[N]_{30,40}-

TTCGACAGGAGGCTCACAACAGGC-3' SEQ ID NO:5

Starting random 30N8 or 40N8 RNA:

5'-GGGAGAUAAAGAAUAAACGCUCAA-[N]_{30,40}-UUCGACAGGAGGCUCACAACAGGC-3'

SEQ ID NO:6 (N = 30) and

SEQ ID NO:309 (N = 40)

N8 primers

5p8: 5'-TAATACGACTCACTATAGGGAGACAA-3' SEQ ID NO:7

3p8: 5'-GCCTGTTGTGAGCCTCCTGTGCGAA-3' SEQ ID NO:8

Fig. 1

204020-09699001

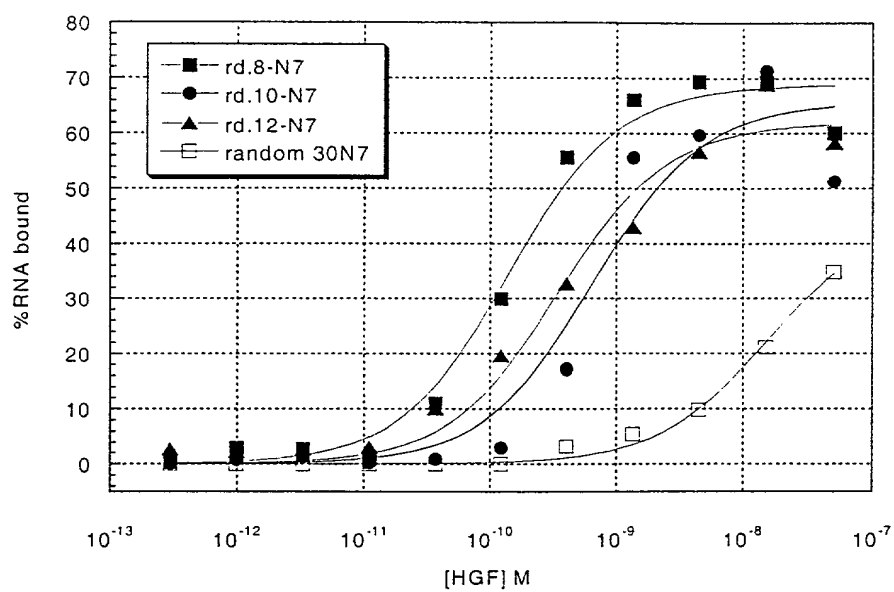


Fig. 3A

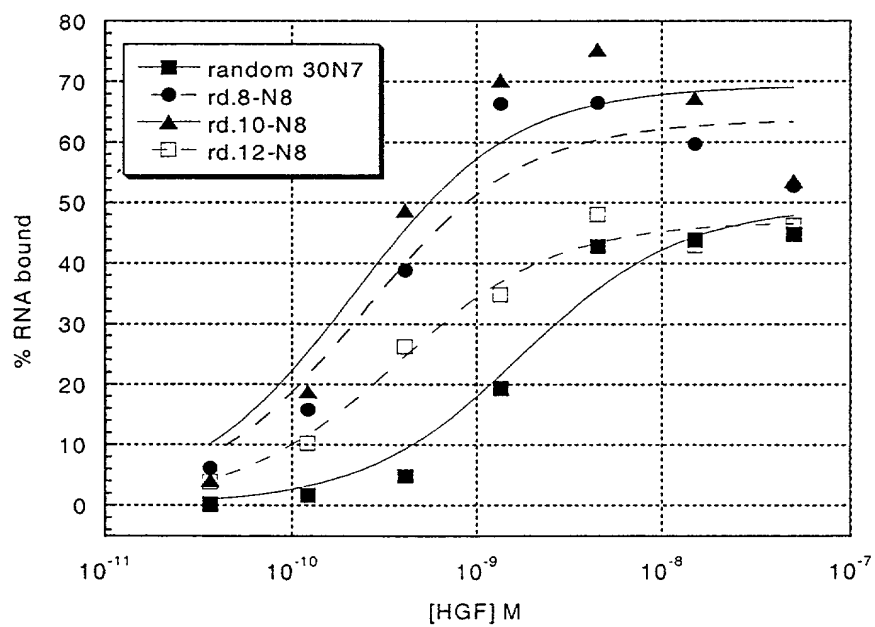


Fig. 3B

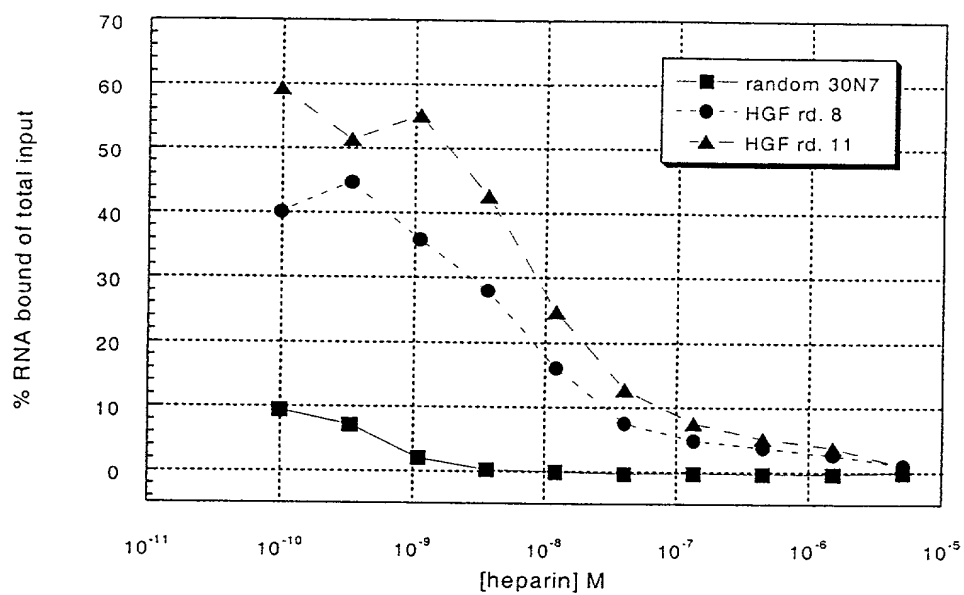


Fig. 4A

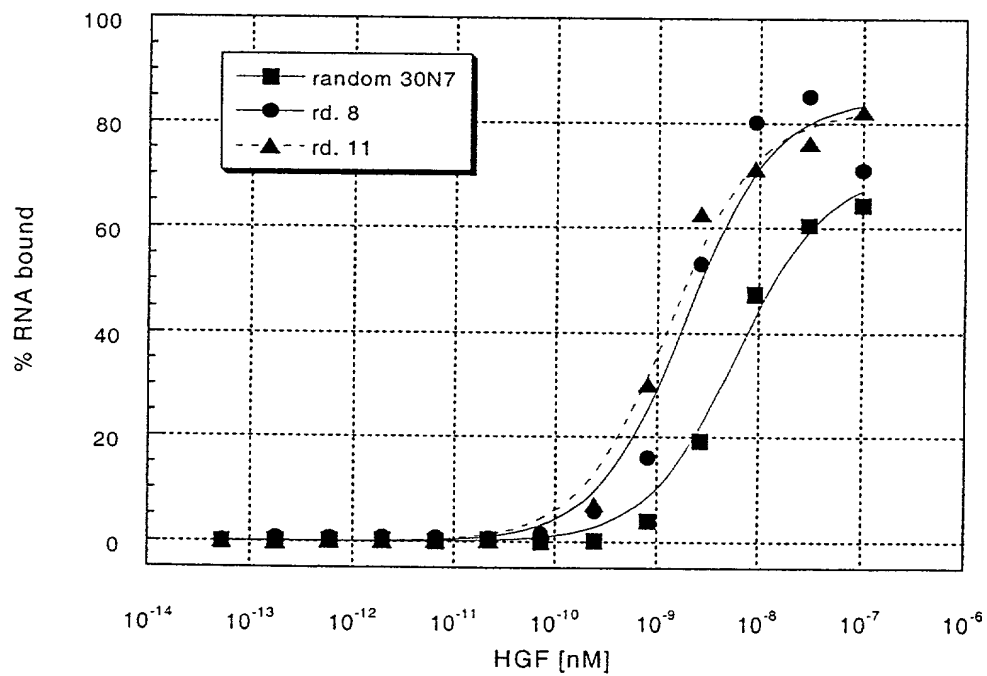


Fig. 4B

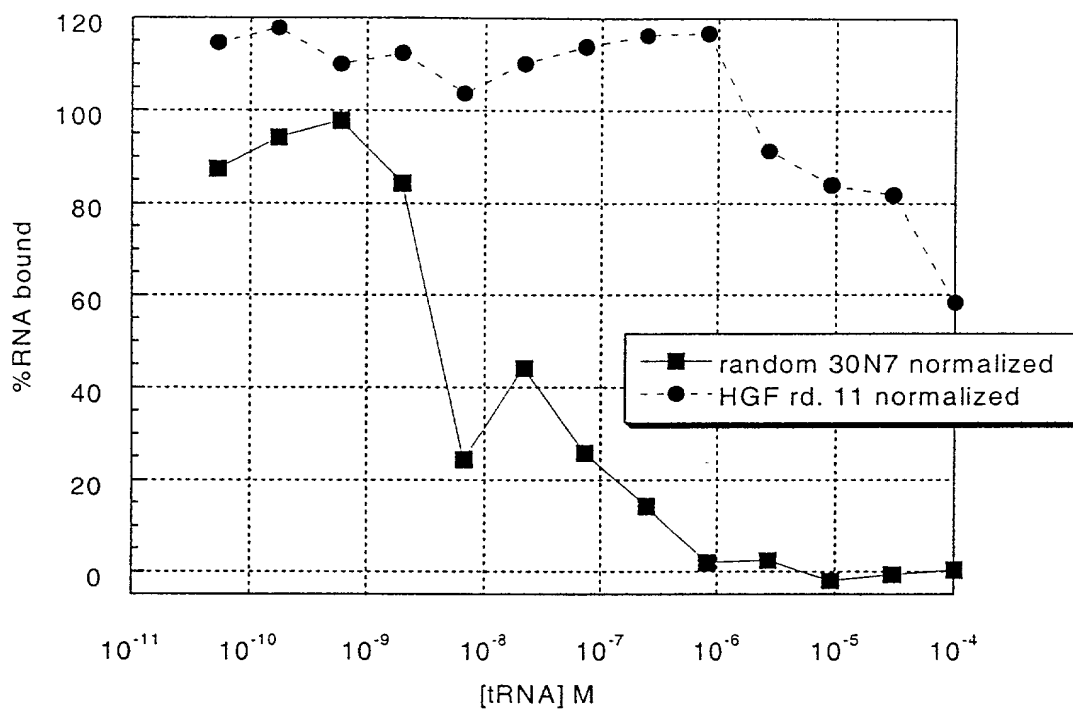


Fig. 5A

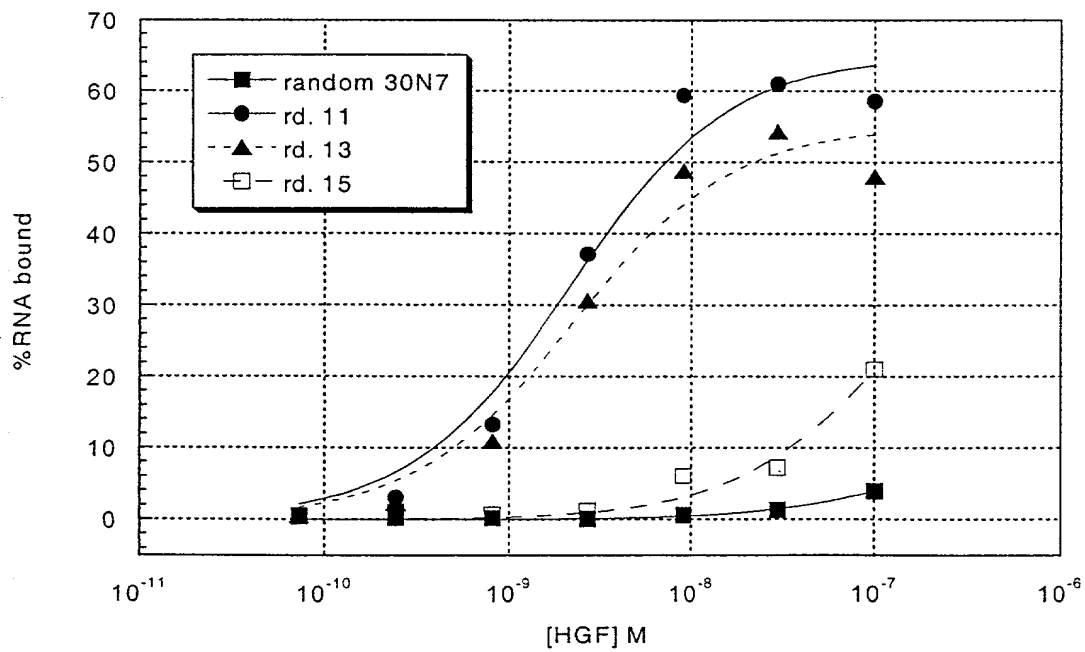


Fig. 5B

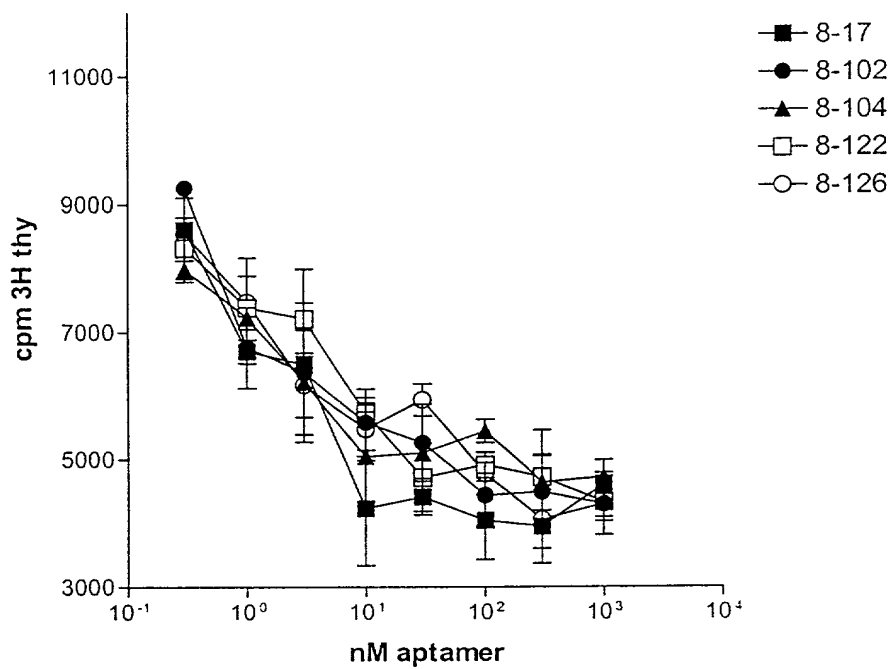


Fig. 6A

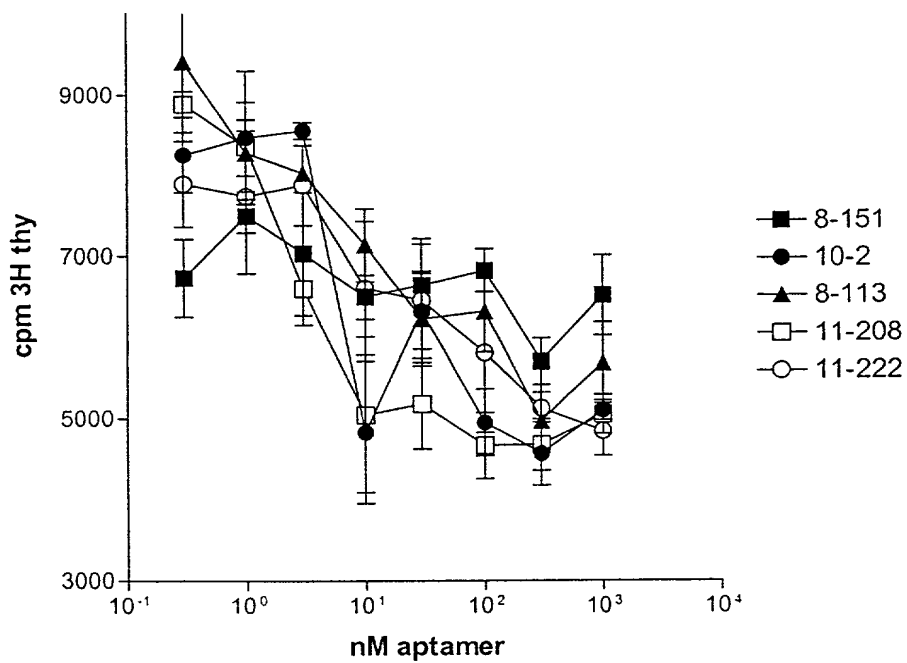


Fig. 6B

APTAMER 8-102

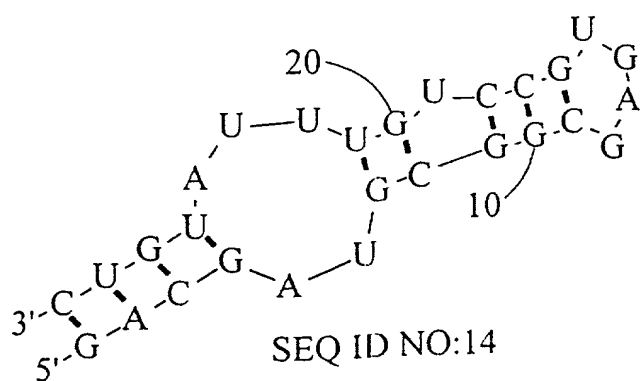
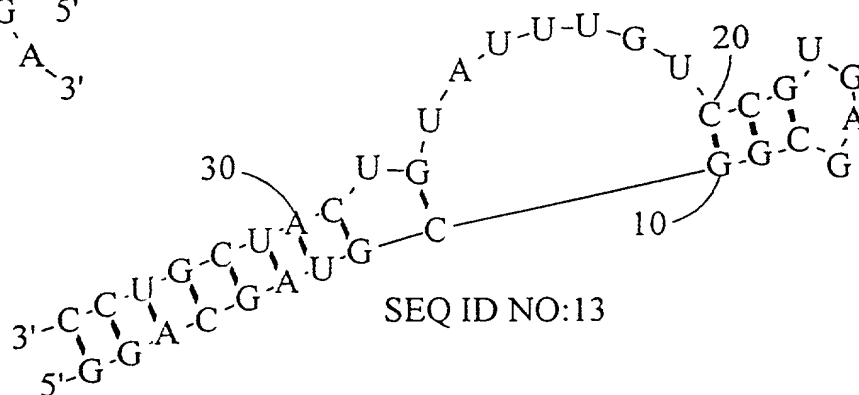
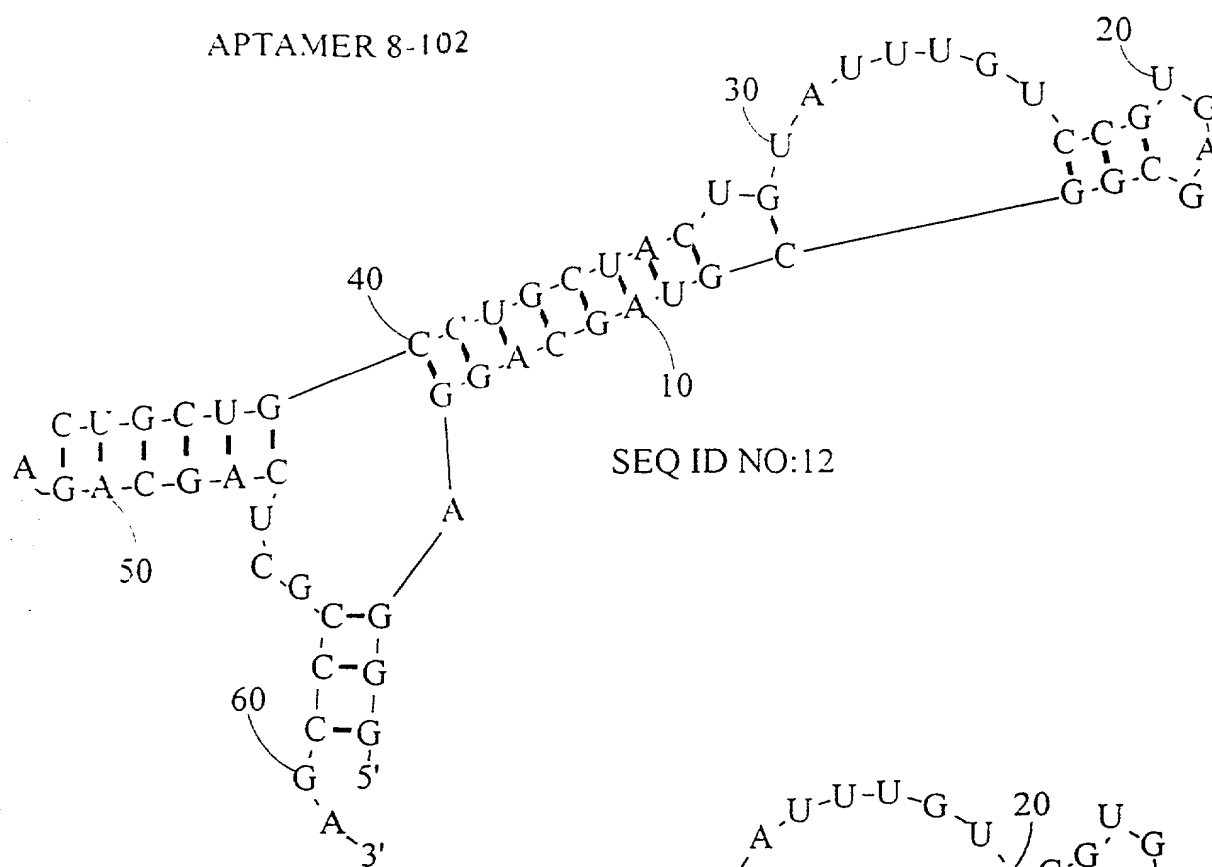


FIG. 7A

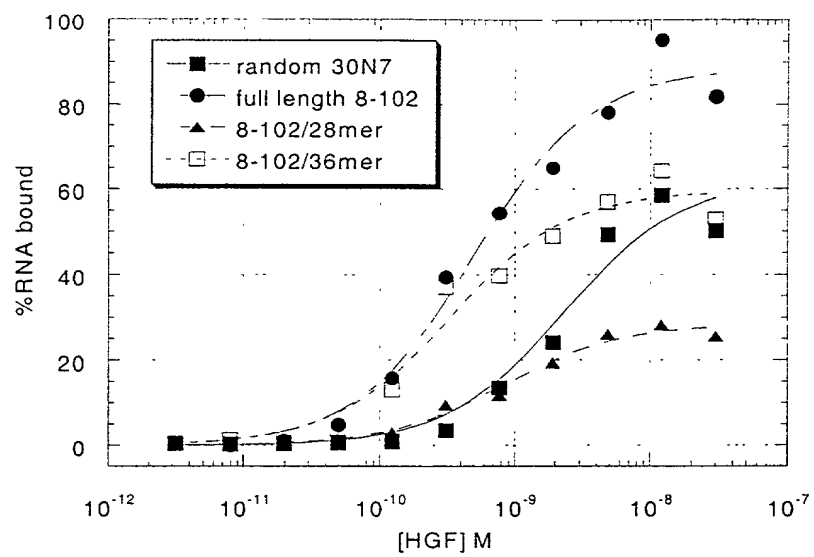


Fig. 7B

APTAMER 8-17

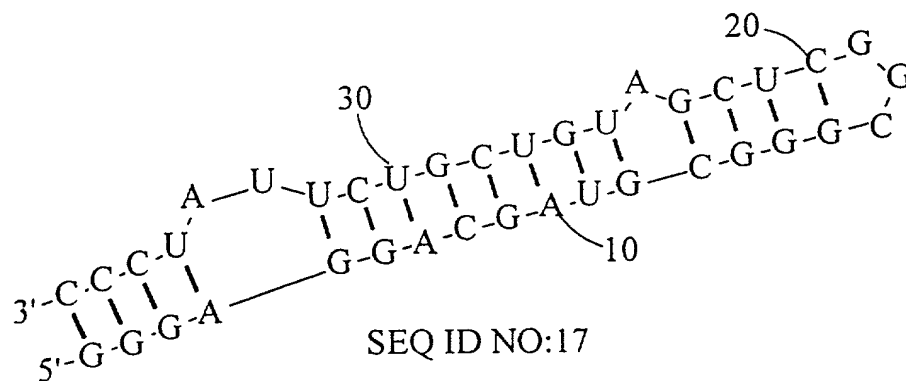
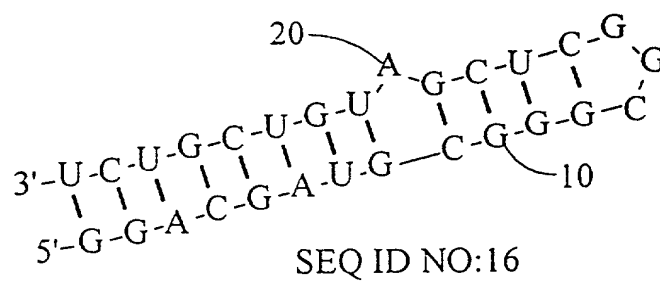
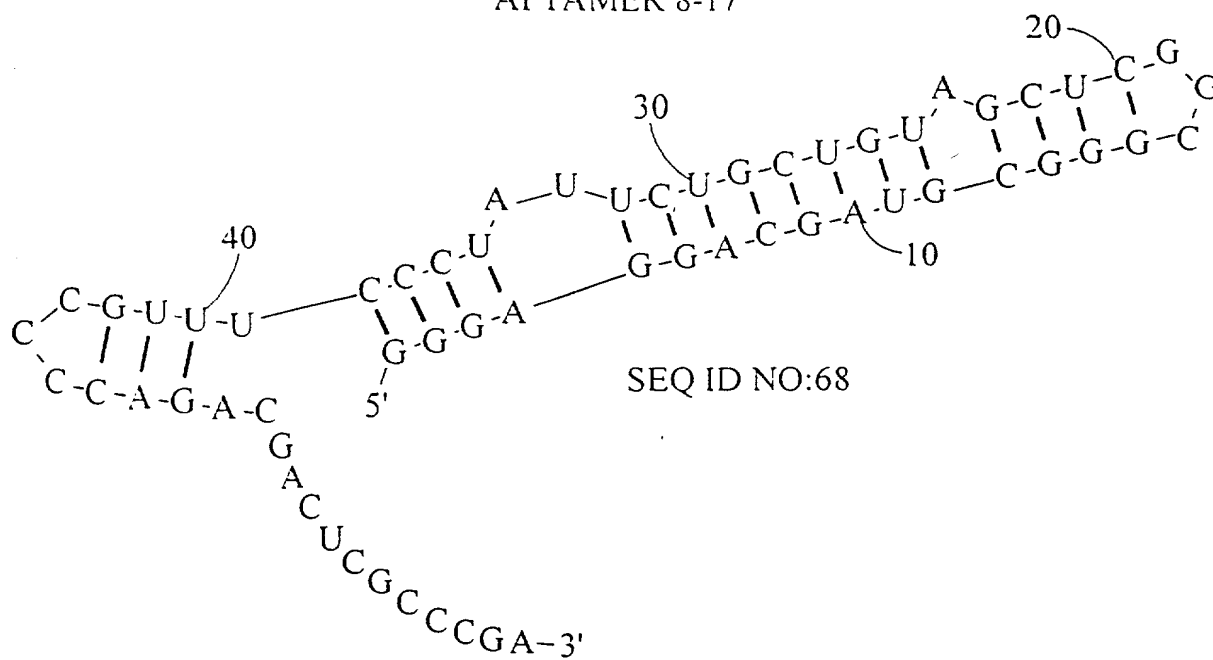


FIG. 8A

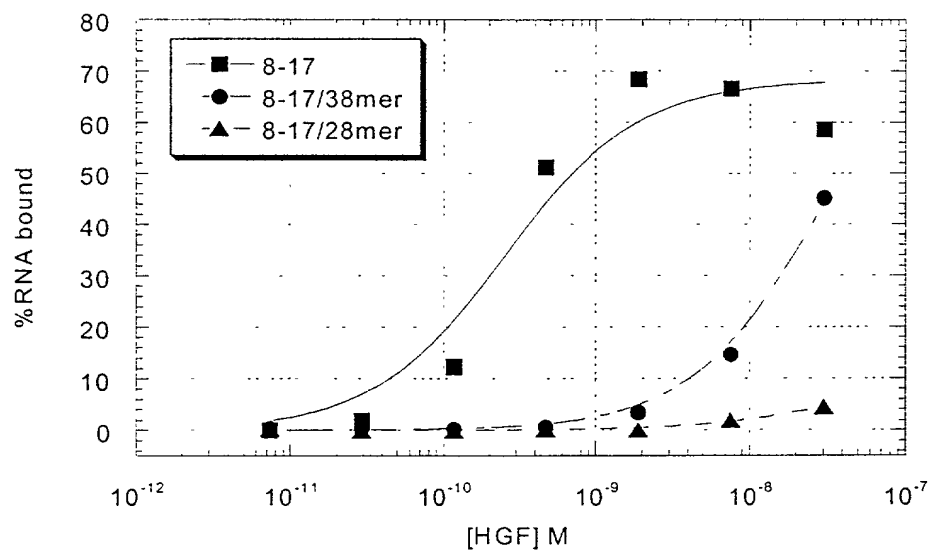


Fig. 8B

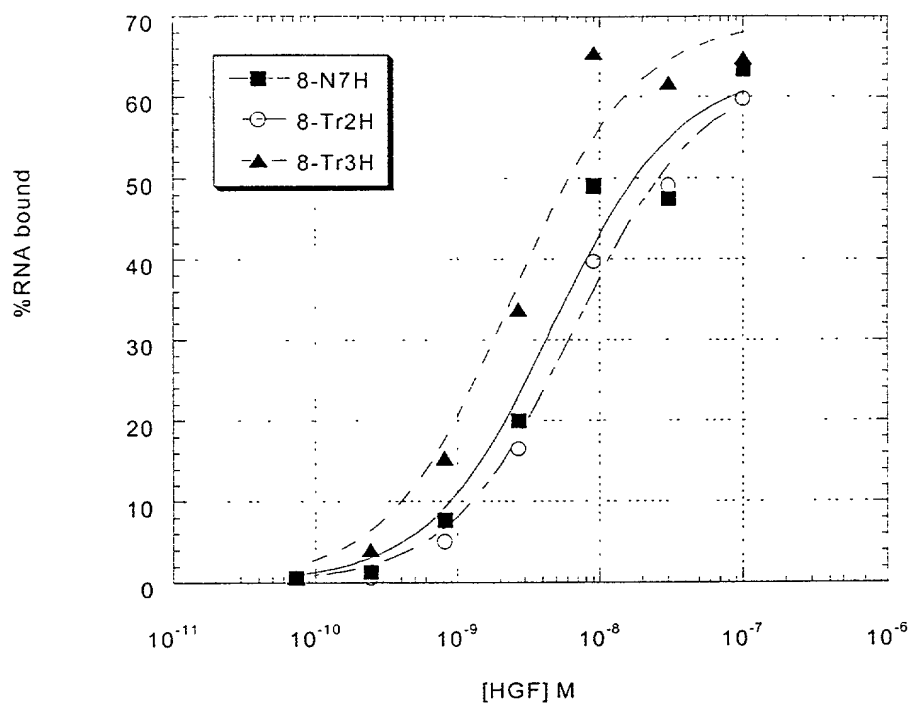


Fig. 9A

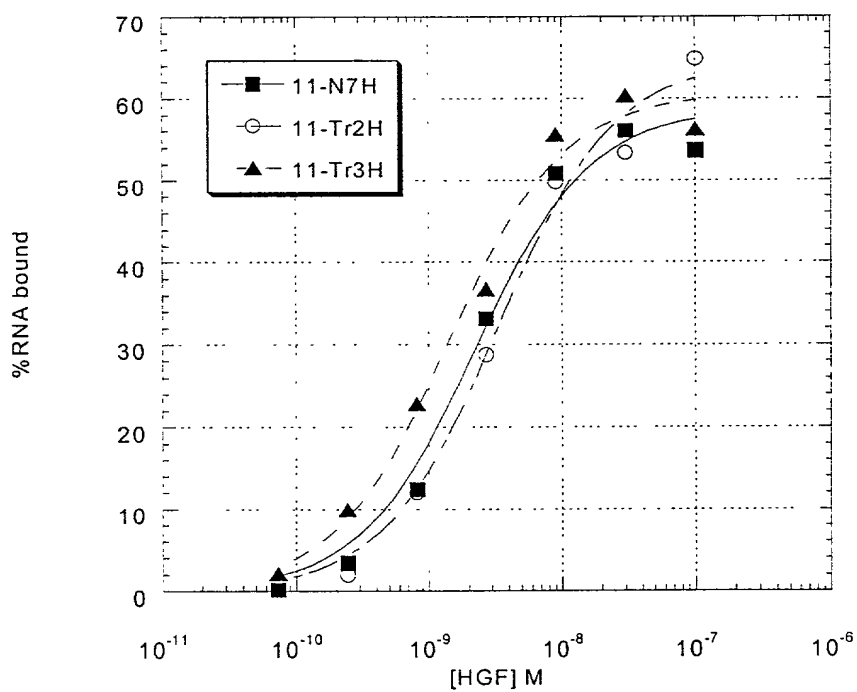


Fig. 9B

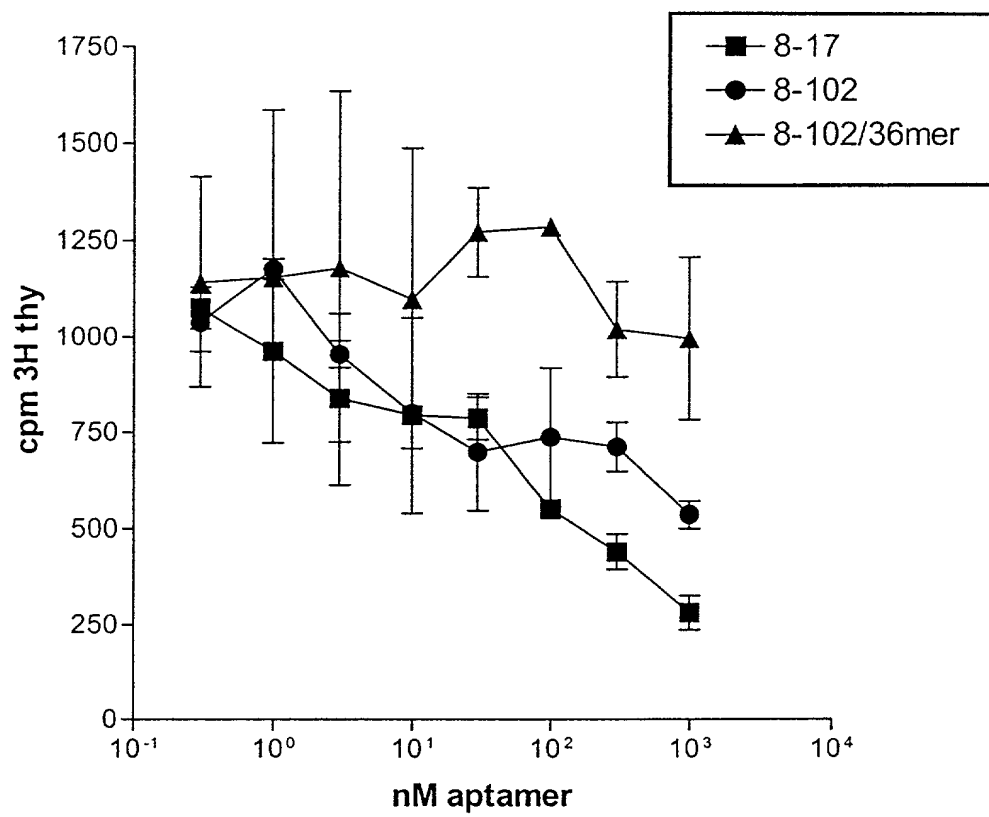


Fig. 10

Figure 1 is a line graph showing the binding of 36mer and aptamer 8-17 to 3H-thyridine. The y-axis represents 'cpm 3H thy' (counts per minute of 3H-thyridine) ranging from 300 to 1200. The x-axis represents 'nM aptamer' (nanomolar aptamer) on a logarithmic scale from 10⁻³ to 10⁴. Three data series are plotted: 36mer/peg (squares), 36mer (circles), and apt 8-17 (triangles). All series show a decrease in binding as aptamer concentration increases, with 36mer/peg showing the most significant decrease.

nM aptamer	36mer/peg (cpm 3H thy)	36mer (cpm 3H thy)	apt 8-17 (cpm 3H thy)
10 ⁻³	~650	~780	~680
10 ⁻¹	~410	~870	~780
10 ⁰	~380	~820	~750
10 ¹	~390	~900	~690
10 ²	~470	~880	~640
10 ³	~460	~1000	~470
10 ⁴	~380	-	-

Fig. 11A

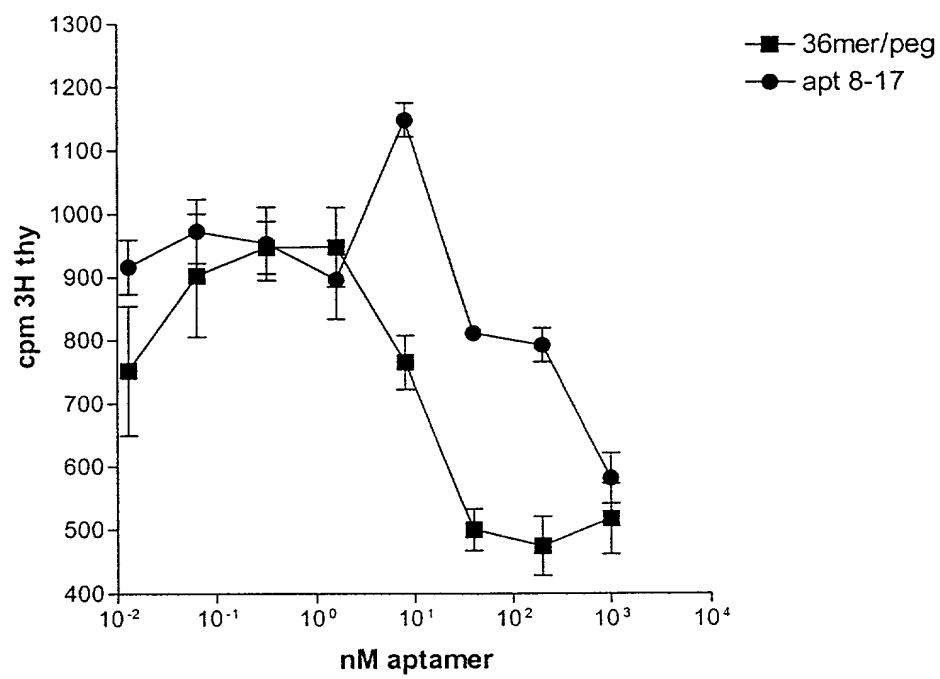


Fig. 11B

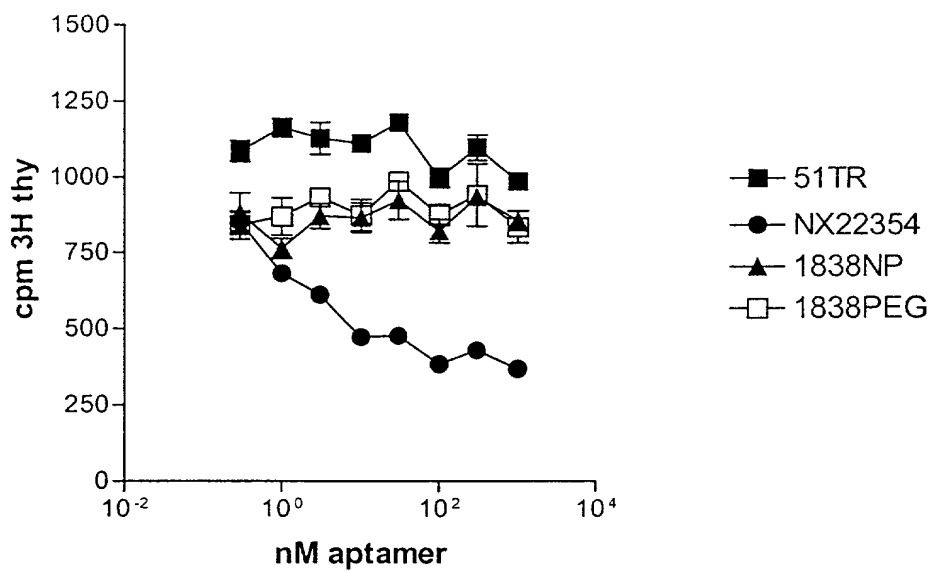


Fig. 12

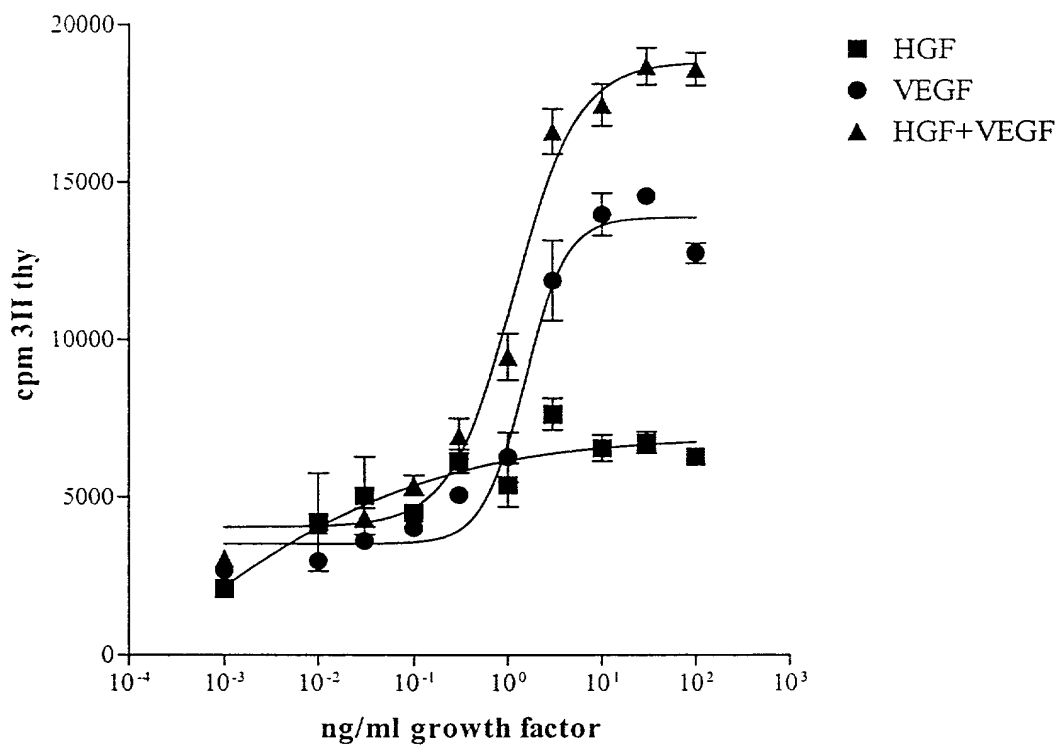


Fig. 13

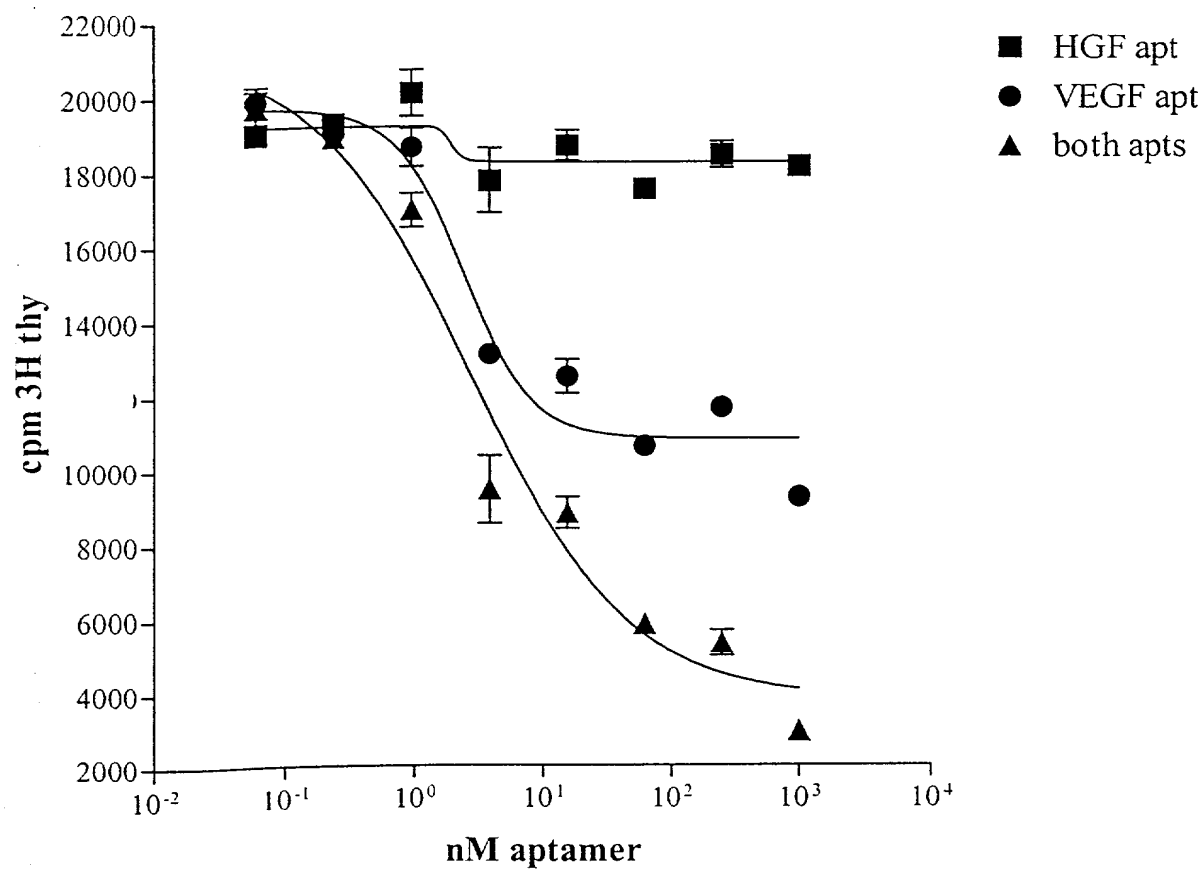


Fig. 14A

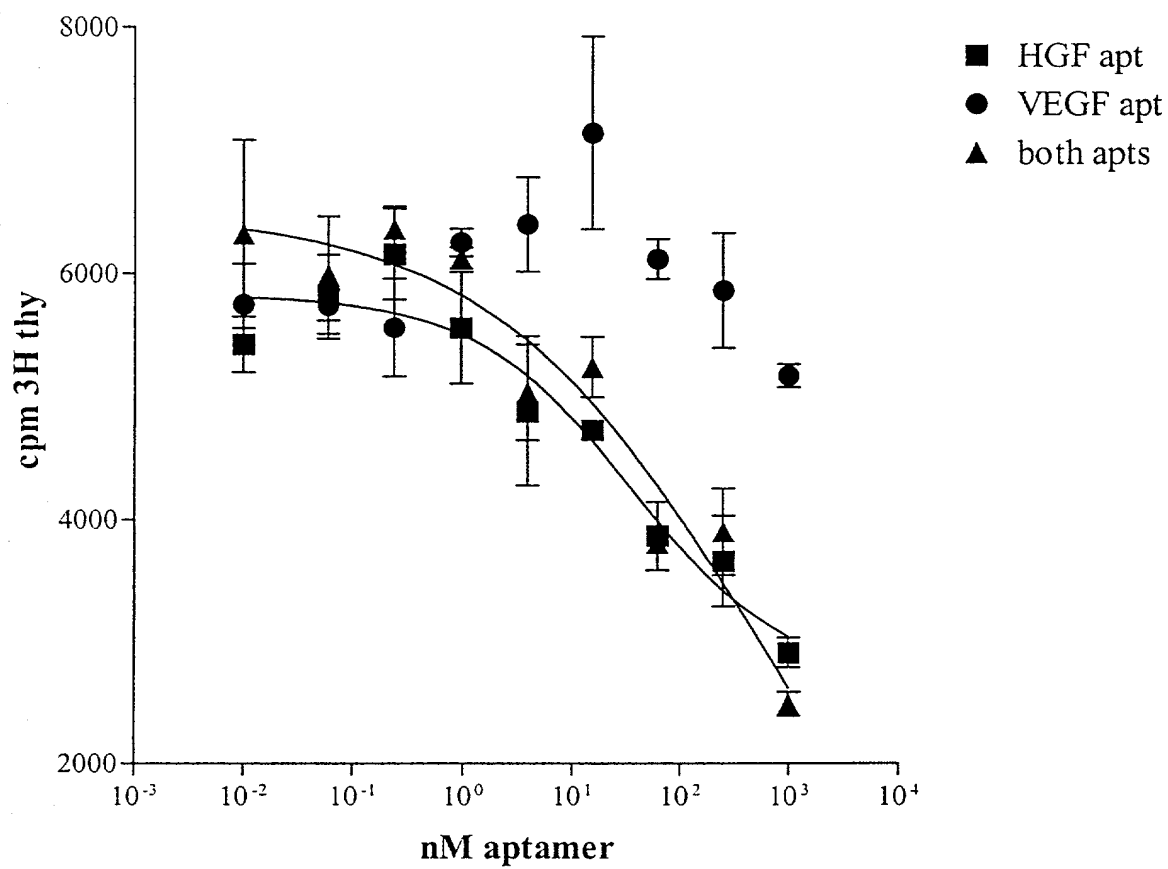


Fig. 14B

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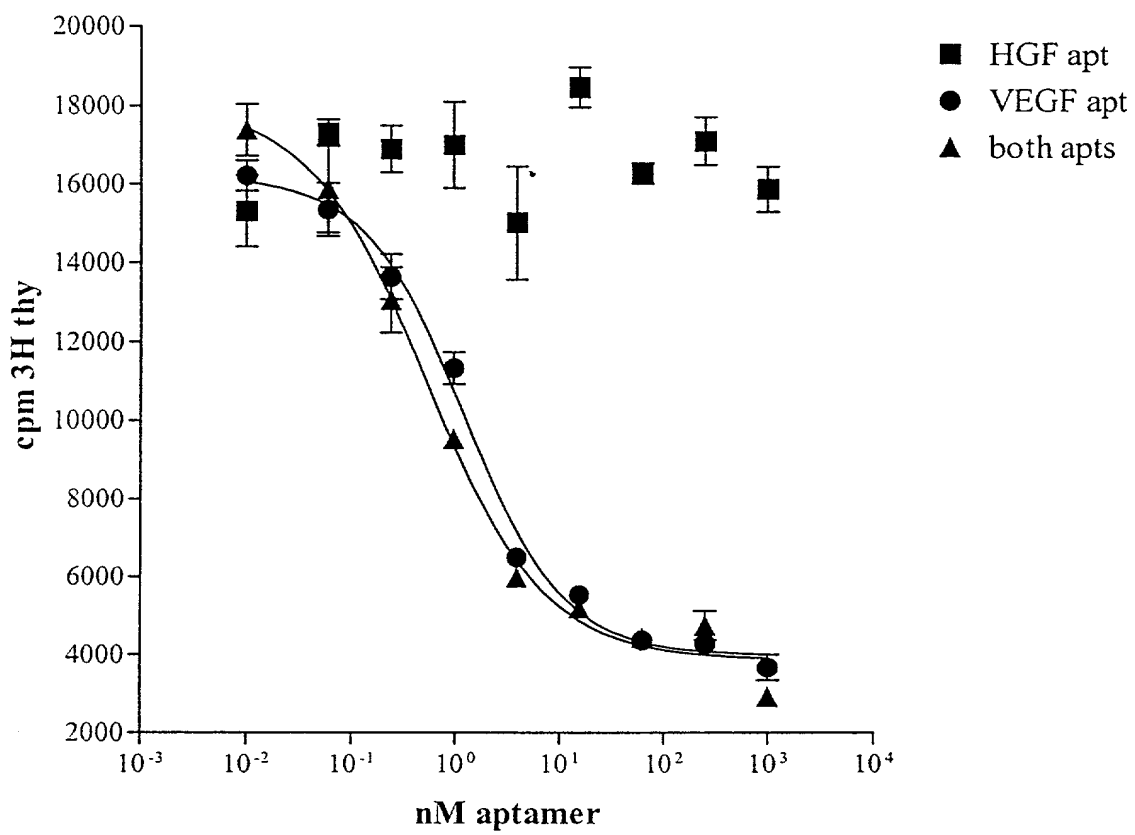


Fig. 14C

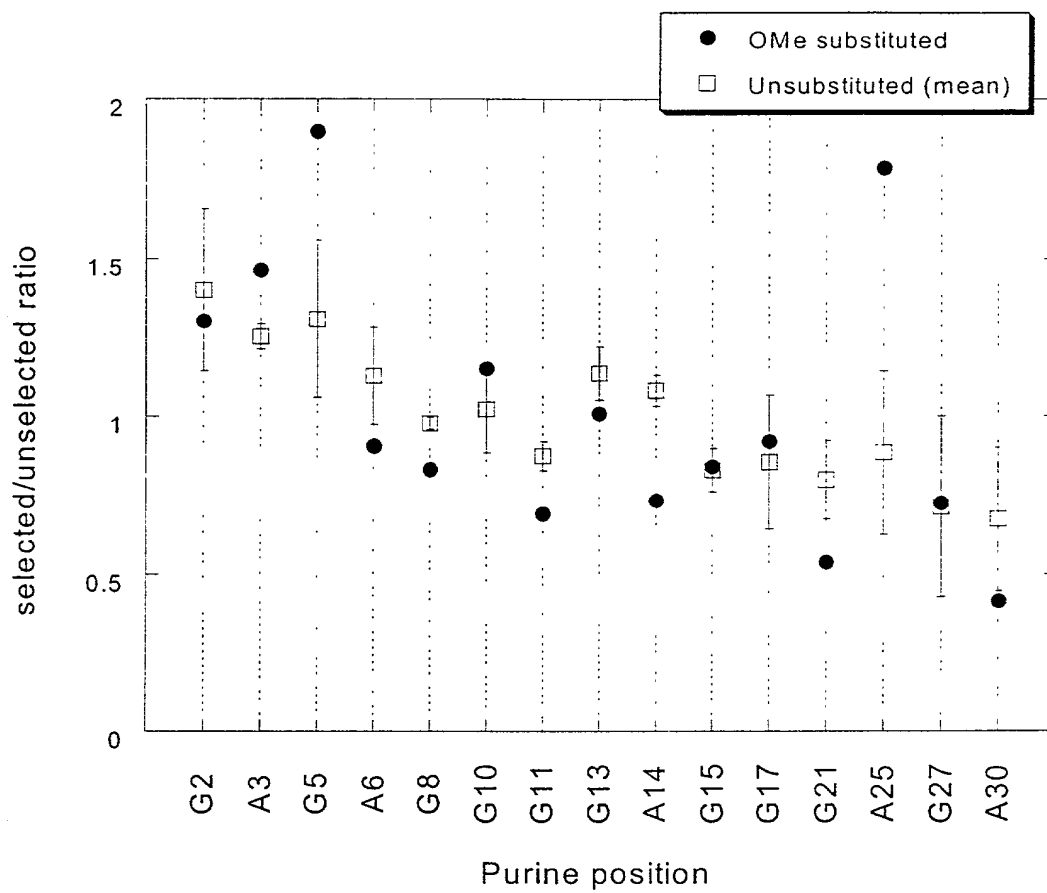


Fig. 15

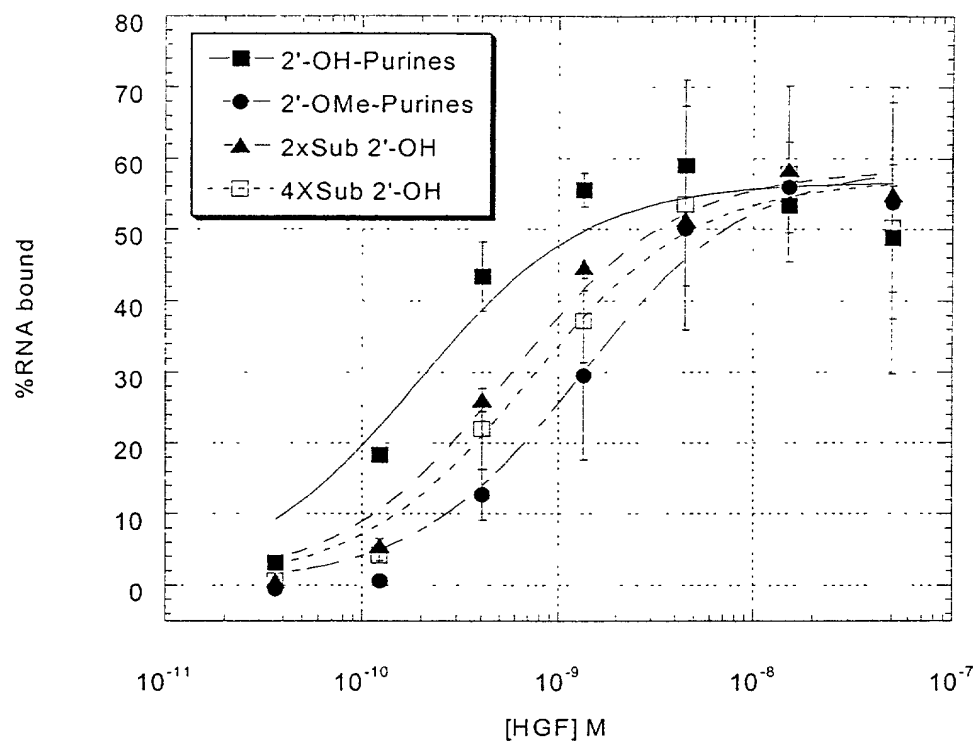


Fig. 16

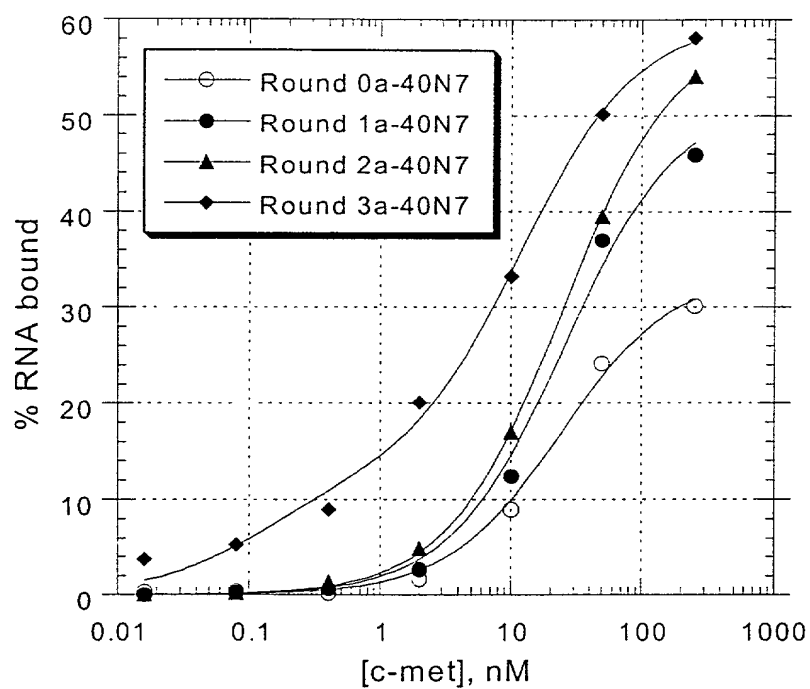


Fig. 17A

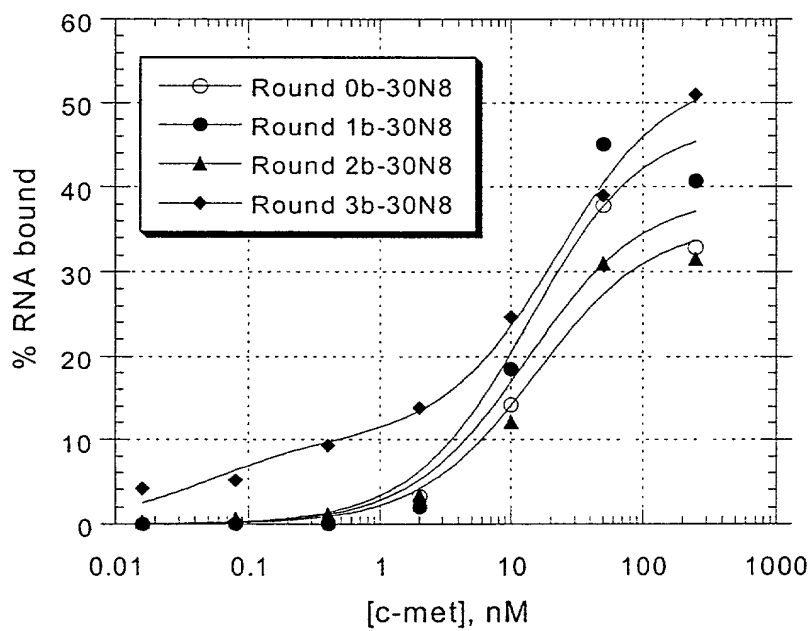


Fig. 17B

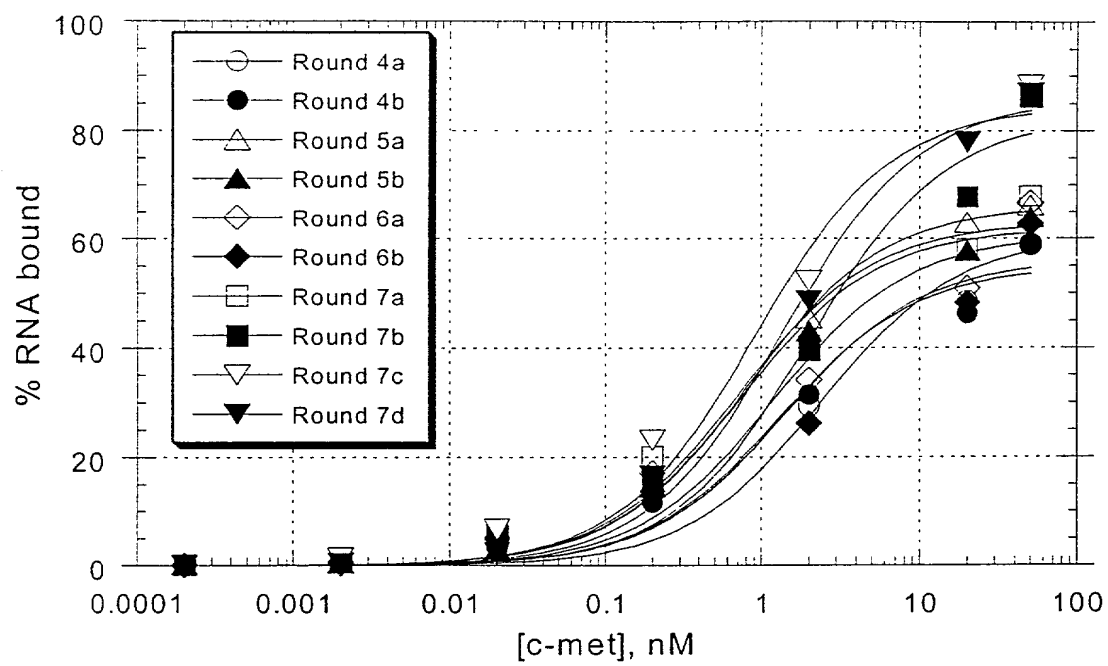


Fig. 17C

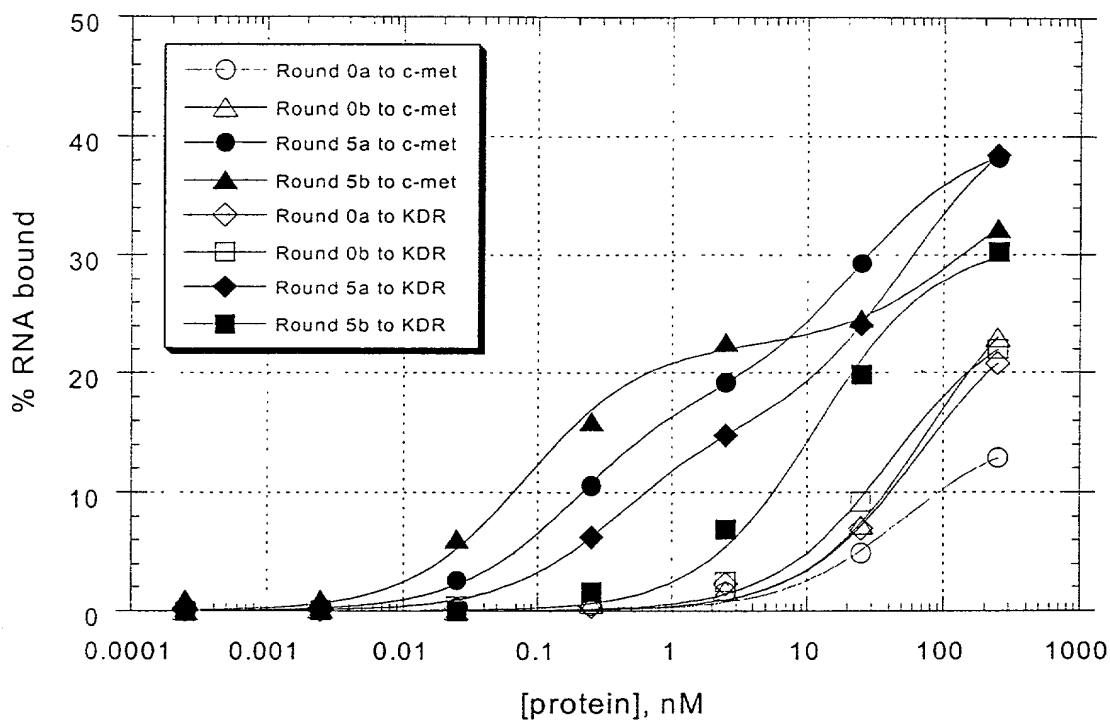


Fig. 18

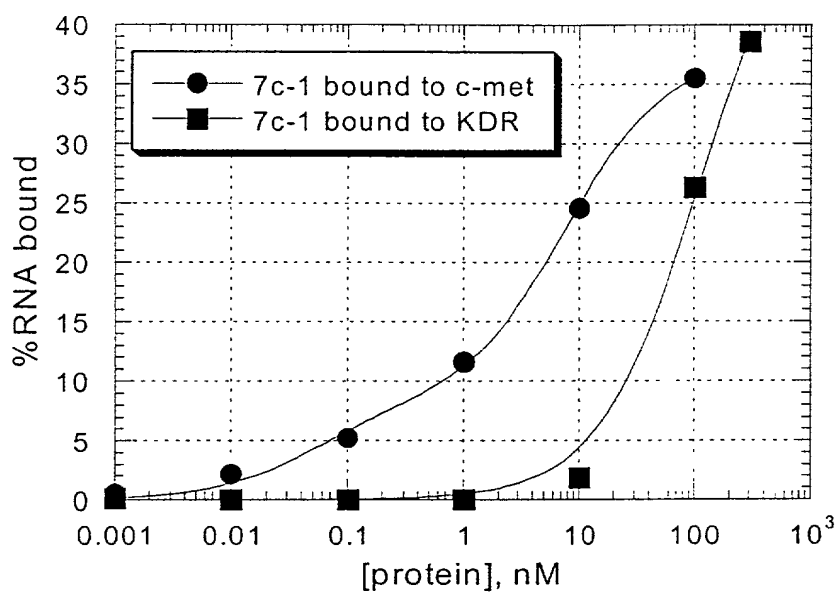


Fig. 19A

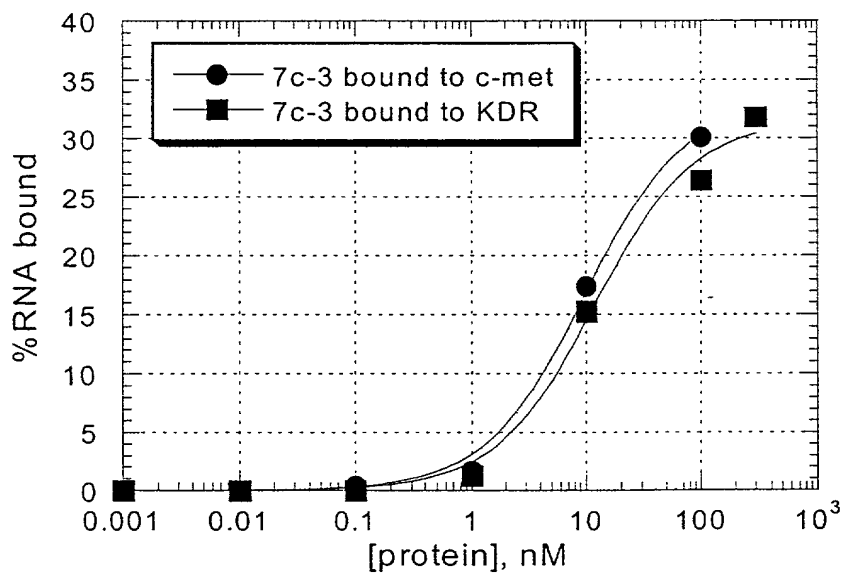


Fig. 19B